

R-621

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF
THE DEPENDENT RESURVEY OF
A PORTION OF THE SUBDIVISIONAL LINES
AND THE
SUBDIVISION OF SECTIONS 14 AND 15
IN
TOWNSHIP 21 SOUTH, RANGE 24 EAST

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Jerry L. Thomas
Cadastral Surveyor

Under special instructions dated *March 7, 1995*, approved *March 8, 1995*, which provided for the surveys included under Group Number *806*, and assignment instructions dated *March 8, 1995*.

Survey commenced *March 14, 1995*

Survey completed *March 28, 1995*

INDEX DIAGRAM

Township 21 South , Range 24 East

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TOWNSHIP 21 SOUTH, RANGE 24 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines and the subdivision of sections 14 and 15 in Township 21 South, Range 24 East, Salt Lake Meridian, Utah.

Portions of the subdivision were surveyed by H.D. Page in 1902 and H.W. Miller in 1910. All of the subdivision was resurveyed by G.B. Hatch in 1964-66.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 806, dated March 7, 1995.

The directions of lines were determined by hour angle observations of the sun, and carried forward by sustained angulation. Distances were determined by electronic measurement.

Preliminary to the resurvey the lines of the original survey were retraced and a diligent search was made for any evidence of the monuments and calls of the original field note record. Identified corners were remonumented in their original positions; lost corners were restored and monumented at proportionate positions based on the original record. The retracement data were thoroughly verified and only the true line notes are given herein.

The geographic position of the 1/4 section corner of sections 13 and 14, as determined by GPS, and will now function as a B.L.M. control station, is as follows:

Latitude 38° 58' 46.847"
N.A.D. 1927

Longitude 109° 13' 13.448" W.

The mean magnetic declination as projected from the U.S. Geological Survey Magnetic Declination Map of 1990, is 12 1/2° E.,

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 24 E., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
H.D. Page in 1902, and the Resurvey
by G.B. Hatch in 1964-66

Beginning at the corner of sections 13, 14, 23, and 24, monumented with an iron post, 2 1/2 ins. diam., set, marked and witnessed as described in the official record of the resurvey of the subdivisional lines in 1964-66.

N. 0° 13' W., between sections 13 and 14.

Over rough and broken land.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL
LINES, T. 21 S., R. 24 E., SALT LAKE MERIDIAN, UTAH

CHAINS

20.075

Point for the S 1/16 section corner of sections 13 and 14, falls on sandstone boulder, 20x4x2 ft.

Set a rebar, 5/8 ins. diam., in a drill hole, 6 ins. deep, with aluminum cap marked:

S 1/16
S14 | S13
1995

Raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, W. of corner.

Corner is located in bottom of Cottonwood Canyon, 25 links N. of Cottonwood Creek, drains WSW.

40.15

The 1/4 section corner of sections 13 and 14, monumented with an iron post, 2 1/2 ins. diam., set, marked, and witnessed as described in the official record of the resurvey of the subdivisional lines in 1964-66.

N. 0° 02' W., beginning new measurement.

20.085

Point for the N 1/16 section corner of sections 13 and 14.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with aluminum cap marked:

N 1/16
S14 | S13
1995

Raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, W. of corner.

40.17

The corner of sections 11, 12, 13, and 14, monumented with an iron post, 2 1/2 ins. diam., set, marked and witnessed as described in the official record of the resurvey of the subdivisional lines in 1964-66.

From the corner of sections 13, 14, 23, and 24.

N. 89° 25' W., between sections 14 and 23.

Over broken land.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL
LINES, T. 21 S., R. 24 E., SALT LAKE MERIDIAN, UTAH

CHAINS

19.835

Point for the meander corner of sections 14 and 23, at proportionate distance, on the present right bank of the Colorado River, bears N. 75° W. and S. 75° E.; there is no remaining evidence of the iron post set in the 1964-66 resurvey.

Corner point not monumented.

20.22

Point for the E 1/16 section corner of sections 14 and 23, falls in the Colorado River; not monumented.

39.47

The meander corner of sections 14 and 23, monumented with an iron post, 2 1/2 ins. diam., set, marked, and witnessed as described in the official record of the resurvey of the subdivisional lines in 1964-66, and on the left bank of the Colorado, bears S. 57° 20' E. and N. 54° W.

N. 88° 47' W., beginning new measurement.

0.975

The 1/4 section corner of sections 14 and 23, monumented with an iron post, 2 1/2 ins. diam., set, marked and witnessed as described in the official record of the resurvey of the subdivisional lines in 1964-66.

From the 1/4 section corner of sections 14 and 15, monumented with an iron post, 2 1/2 ins. diam., set, marked and witnessed as described in the official record of the resurvey of the subdivisional lines in 1964-66.

N. 0° 01' W., between sections 14 and 15.

Over cultivated land.

40.16

The corner of sections 10, 11, 14, and 15, monumented with an iron post, 2 1/2 ins. diam., set, marked, and witnessed as described in the official record of the resurvey of the subdivisional lines in 1964-66.

From the corner of sections 11, 12, 13, and 14.

N. 89° 28' W., between sections 11 and 14.

Over rolling land.

20.055

Point for the E 1/16 section corner of sections 11 and 14.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with aluminum cap marked:

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL
LINES, T. 21 S., R. 24 E., SALT LAKE MERIDIAN, UTAH

CHAINS	E 1/16 $\frac{S11}{S14}$ 1995
40.11	The 1/4 section corner of sections 11 and 14, monumented with an iron post, 1 in. diam., set, marked, and witnessed as described in the official record of the resurvey of the subdivisional lines in 1964-66.
	S. 89° 51' W., beginning new measurement.
20.145	Point for the W 1/16 section corner of sections 11 and 14. Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with aluminum cap marked:
	W 1/16 $\frac{S11}{S14}$ 1995
40.29	The corner of sections 10, 11, 14, and 15. From the corner of sections 14, 15, 22, and 23, monumented with an iron post, 2 1/2 ins. diam., set, marked, and witnessed as described in the official record of the resurvey of the subdivisional lines in 1964-66. N. 88° 50' W., between sections 15 and 22. Over cultivated land.
30.635	Point for the meander corner of sections 15 and 22, for the left bank of the Colorado River, at proportionate distance; there is no remaining evidence of the iron post set in the resurvey in 1964-66. The present bank of the river, bears N. 54° 23' E. and S. 42° 45' W. Corner point not monumented.
39.97	Point for the 1/4 section corner of sections 15 and 22, at proportionate distance, falls in the river.
40.625	Point for the meander corner of sections 15 and 22, at proportionate distance. This point falls in the river and cannot be perpetuated.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL
LINES, T. 21 S., R. 24 E., SALT LAKE MERIDIAN, UTAH

CHAINS

41.155

The witness meander corner of sections 15 and 22, on the present right bank, bearing N. 48° 30' E. and S. 15° 30' E., monumented with an iron post, 2 1/2 ins. diam., firmly set, marked and witnessed as described in the official record of the dependent resurvey of the subdivisional lines in 1964-66.

N. 88° 48' W., beginning new measurement.

18.82

Point for the W 1/16 section corner of sections 15 and 22.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., over a magnet, 24 ins. in the ground, with aluminum cap marked:

W 1/16 S15
 S22
 1995

Corner is located in bottom of small draw, which drains S.

38.815

The corner of sections 15, 16, 21, and 22, monumented with an iron post, 2 1/2 ins. diam., firmly set, marked and witnessed as described in the official record of the dependent resurvey of the subdivisional lines in 1964-66.

From the corner of sections 10, 11, 14, and 15.

S. 89° 57' W., between sections 10 and 15.

Over rolling land.

20.01

Point for the E 1/16 section corner of sections 10 and 15.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., over a magnet, 18 ins. in the ground, and in a collar of stone to top, with aluminum cap marked:

E 1/16 S10
 S15
 1995

Corner is located 2.50 chains E. of N and S dirt road.

40.02

Point for the 1/4 section corner of sections 10 and 15, at proportionate distance, falls in bottom of small wash.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL
LINES, T. 21 S., R. 24 E., SALT LAKE MERIDIAN, UTAH

CHAINS

40.27

The witness corner to the 1/4 section corner of sections 10 and 15, monumented with an iron post, 2 1/2 ins. diam., firmly set, marked and witnessed as described in the official record of the dependent resurvey of the subdivisional lines in 1964-66.

The Subdivision of Section 14,
T. 21 S., R. 24 E., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 14 and 23.

N. 0° 06' E., on the N-S center line of section 14.

Over rolling land.

1.00

Mean high water mark, left bank of Colorado River.

5.50

Mean high water mark, right bank of Colorado River.

19.935

Point for the center S 1/16 section corner of section 14.

Corner point not monumented.

39.87

Point for the center 1/4 section corner of section 14, at intersection with the E-W center line.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., over a magnet, 16 ins. in the ground, and in a collar of stone to top, with aluminum cap marked:

T21S R24E
C 1/4 S14
1995

Corner is located 10 links S. of small drainage.

60.075

Point for the center N 1/16 section of section 14, falls on flat sandstone surface.

Set a rebar, 5/8 ins. diam., in a drill hole, 5 ins. deep, with aluminum cap marked:

C
N 1/16 | S 14
C
1995

THE SUBDIVISION OF SECTION 14,
T. 21 S., R. 24 E., SALT LAKE MERIDIAN, UTAH

CHAINS

Raise a mound of stone, 3 1/2 ft. base, 1 1/2 ft. high, W. of corner.

80.28

The 1/4 section corner of sections 11 and 14.

From the 1/4 section corner of sections 13 and 14.

N. 89° 48' W., on the E-W center line of section 14.

Over gentle rolling land.

20.105

Point for the center E 1/16 section corner of section 14.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., over a magnet, 24 ins. in the ground, with aluminum cap marked:

C $\frac{E \ 1/16}{S14}$ C
1995

40.21

The center 1/4 section corner of section 14.

60.315

Point for the center W 1/16 section corner of section 14.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., over a magnet, 24 ins. in the ground, with aluminum cap marked:

C $\frac{W \ 1/16}{S14}$ C
1995

Corner is located at base of hill, which bears N. and SE.

80.42

The 1/4 section corner of sections 14 and 15.

From the center E 1/16 section corner of section 14.

N. 0° 02' E., on the N-S center line of the NE 1/4 of section 14.

Over rolling land.

20.145

Point for the NE 1/16 section corner of section 14, at intersection with the E-W center line of the NE 1/4.

THE SUBDIVISION OF SECTION 14,
T. 21 S., R. 24 E., SALT LAKE MERIDIAN, UTAH

CHAINS

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., over a magnet, 24 ins. in the ground, with aluminum cap marked:

NE 1/16 S14
1995

40.29 The E 1/16 section corner of sections 11 and 14.

From the N. 1/16 section corner of sections 13 and 14.

N. 89° 39' W., on the E-W center line of the NE 1/4 of section 14.

Over gentle rolling land.

20.08 The NE 1/16 section corner of section 14.

40.16 The center N 1/16 section corner of section 14.

From the point for the E 1/16 section corner of sections 13 and 14.

N. 0° 03' W., on the N-S center line of the SE 1/4 of section 14.

1.01 Mean high water mark, right bank of Colorado River.

20.005 Point for the SE 1/16 section corner of section 14, at intersection with the E-W center line, falls on flat sandstone surface.

Set a rebar, 5/8 ins. diam., in a drill hole, 6 ins. deep, with aluminum cap marked:

SE 1/16
S14
1995

Raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, W. of corner.

40.01 The center E 1/16 section corner of section 14.

From the S 1/16 section corner of sections 13 and 14.

N. 89° 36' W., on the E-W center line of the SE 1/4 of section 14.

THE SUBDIVISION OF SECTION 14,
T. 21 S., R. 24 E., SALT LAKE MERIDIAN, UTAH

CHAINS

- Over rolling land.
- 20.165** The SE 1/16 section corner of section 14.
- 40.33** Point for the center S 1/16 section corner of section 14.
-
- From the center W 1/16 section corner of section 14.
- N. 0° 03' E., on the N-S center line of the NW 1/4 of section 14.
- Over rolling land.
- 40.28** The W 1/16 section corner of sections 11 and 14.
-
- The Subdivision of Section 15,
T. 21 S., R. 24 E., Salt Lake Meridian, Utah
-
- From the true point for the 1/4 section corner of sections 15 and 22; not monumented.
- N. 0° 03' W., on the N-S center line of section 15.
- 1.05** The mean high water mark, on the right bank of the Colorado River, bears NE. and SW.
- Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with aluminum cap marked:
- C

S15 |

MC

1995
- Set a steel fence post, alongside the aluminum post.
- Over rolling land.
- 40.79** Point for the center 1/4 section corner of section 15, at intersection with the E-W center line.

THE SUBDIVISION OF SECTION 15,
T. 21 S., R. 24 E., SALT LAKE MERIDIAN, UTAH

CHAINS

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., 16 ins. in the ground, in a mound of stone, 3 1/2 ft. base to top, with aluminum cap marked:

T21S R24E
C 1/4 S15
1995

Corner is located on N rim of small spur, projecting E.

80.91 True point for the 1/4 section corner of sections 10 and 15.

From the 1/4 section corner of sections 14 and 15.

WEST, on the E-W center line of section 15.

Over cultivated land.

40.08 The center 1/4 section corner of section 15.

79.96 The 1/4 section corner of sections 15 and 16, monumented with an iron post, 2 1/2 ins. diam., firmly set, marked, and witnessed as described in the official record of the subdivision of T. 21 S., R. 24 E., in 1964-66.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
David Williams	Surveying Aid
William Thompson	Surveying Aid

CERTIFICATE OF SURVEY

I, *Jerry L. Thomas, Cadastral Surveyor*, hereby certify upon honor that, in pursuance of special instructions bearing the date of the *7th day of March, 1995*, I have *dependently resurveyed a portion of the subdivisional lines and the subdivision of sections 14 and 15, in Township 21 South, Range 24 East*,

of the *Salt Lake Meridian*, in the State of *Utah*, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

April 10, 1997

Date

Jerry L. Thomas

(Cadastral Surveyor)

Date

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah

The foregoing field notes of the *dependent resurvey of a portion of the subdivisional lines and the subdivision of sections 14 and 15, Township 21 South, Range 24 East, Salt Lake Meridian, Utah*,

executed by *Jerry L. Thomas, Cadastral Surveyor*

having been critically examined and found correct, are hereby approved.

April 24, 1997

Date

Daniel W. Webb

(Chief Cadastral Surveyor for Utah)